

Notice of Allowability

Application No.

10/764,871

Examiner

Zachary M. Pape

Applicant(s)

SHIEH, TONG-WEN

Art Unit

2835

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 4/5/2006.
2. ☒ The allowed claim(s) is/are 2.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


LYNN FEILD
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2800

DETAILED ACTION

The following detailed action is in response to the correspondence dated 4/5/2006.

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given on page 8 of the remarks filed 4/5/2006.

Claim 2 should be amended as follows:

A heat dissipating System of a personal computer having a heat dissipating unit; the heat dissipating unit including a power supply; the power supply including a housing and a cover; a circuit and a double suction turbine fan being placed in a space formed by the housing and the cover; the double suction turbine fan having a casing and a set of blades; an upper and lower surface of the double suction turbine fan having respective air inlets; one lateral side of the double suction turbine fan having an air vent; the housing having three sides which are arranged to have an approximate U shape; one side of the housing of the power supply having air outlets which are arranged as a net, receptacles, and a power switch; another side of the housing having a plurality of holes arranged as a net; the circuit being arranged at a lower side of the housing; the air

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inlet at the upper surface of the double suction turbine fan facing to the circuit; and the air vent facing to the air outlet; the cover having three sides which are arranged to have an approximate U shape; a lower side of the cover having a round hole corresponding to the air inlet of the double suction turbine fan; and the air inlet at the lower surface of the double suction turbine fan facing to the round hole of the cover; wherein in assembly, the round hole of the cover is located to be near an opening of a ~~main board~~ motherboard ~~to suck heat from the main board~~ so as to allow suction of heat from the motherboard and then the double suction turbine fan dissipates heat generated from the ~~main board~~ motherboard so as to dissipate heat rapidly.

Allowable Subject Matter

2. Claim 2 is allowed.
3. The following is an examiner's statement of reasons for allowance:

With respect to claim 2, the allowability resides in the overall structure of the device as recited in independent claim 2 and at least in part because claim 2 recites, "the round hole of the cover is located to be near an opening of a motherboard so as to allow suction of heat from the motherboard"

The aforementioned limitations in combination with all remaining limitations of claim 2 are believed to render said claim 2 patentable over the art of record.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably

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accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

US 6,247,767; US 6,215,659; US 6,122,168; US 20050030711; US 5,596,483; US 20040027803; US 6,735,078; US 20060019596 all further teach power supplies.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Zachary M. Pape whose telephone number is 571-272-2201. The examiner can normally be reached on Mon. - Thur. & every other Fri. (8:00am - 5:00pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lynn Feild can be reached at 571-272-2092. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



ZMP



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